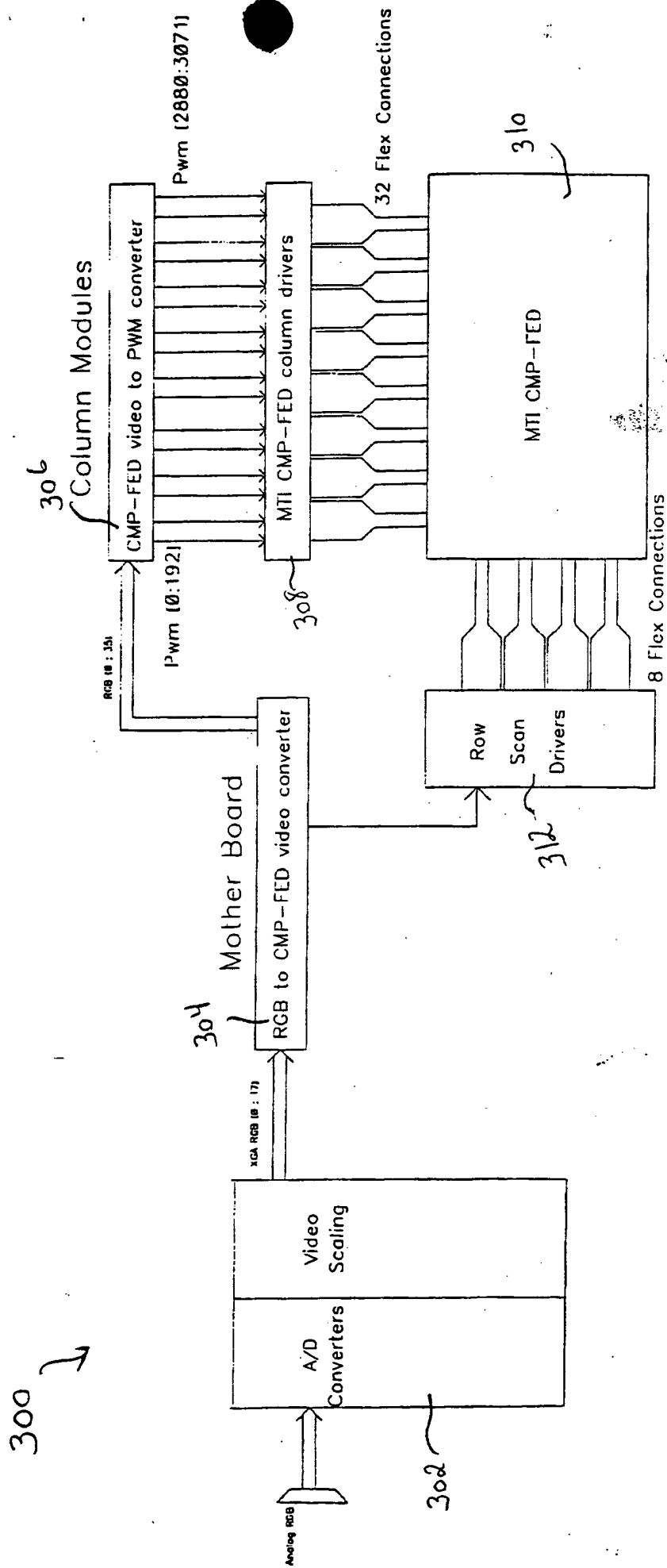


FIG.1

Figure 2



0002/0" 04T02960

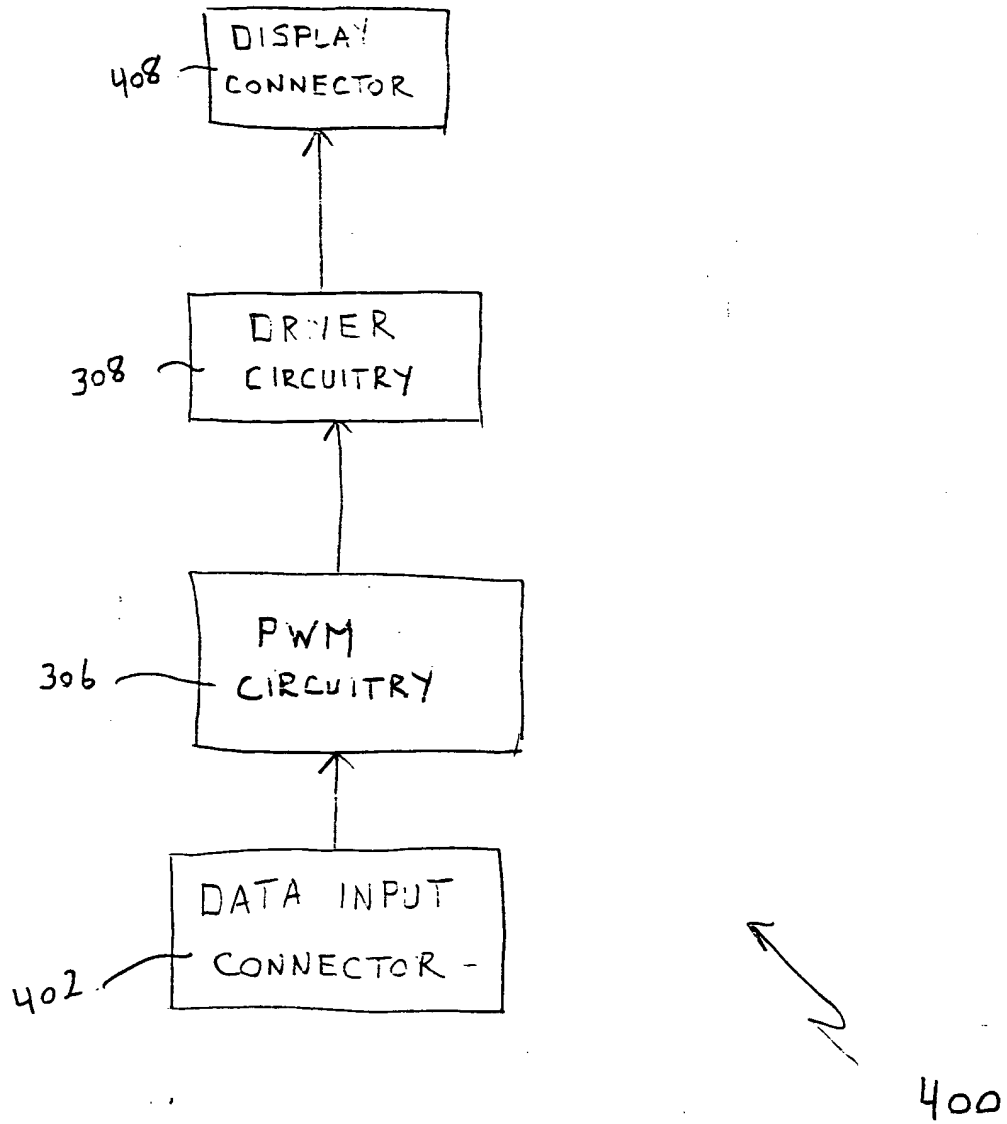
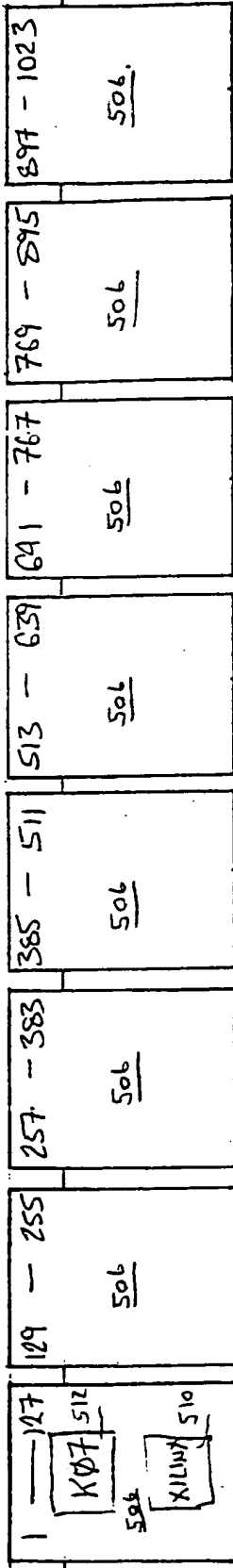


Figure 3

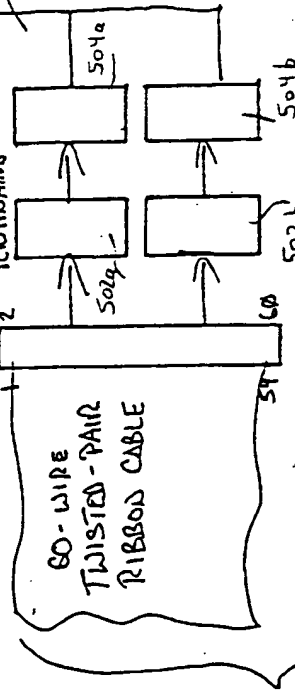
ODD COLUMNS

1 2 3 4 5 6 7



RGB ODD
O-PUCK
COL-ADD[0:2]
+3.3V, +5V
H510C/0510C

DIODE
TERMINATING
BUFFERS

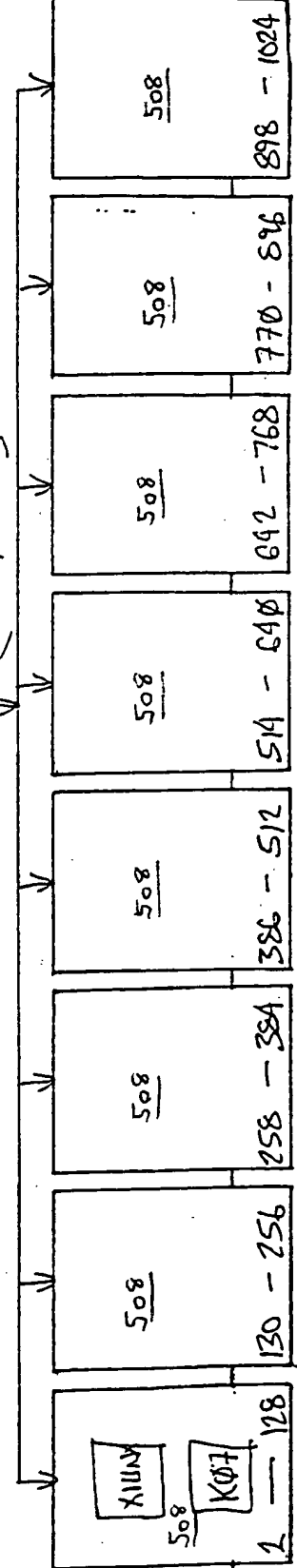


FROM
SECOND
VIDEO
CIRCUITRY
304

Figure 4

{ ROW-DATA }
{ ROW-CLK }

{ RGB EVEN
E-PUCK
COL-ADD[0:2]
+3.3V, +5V
H510C, V510C }



1 2 3 4 5 6 7

EVEN COLUMNS

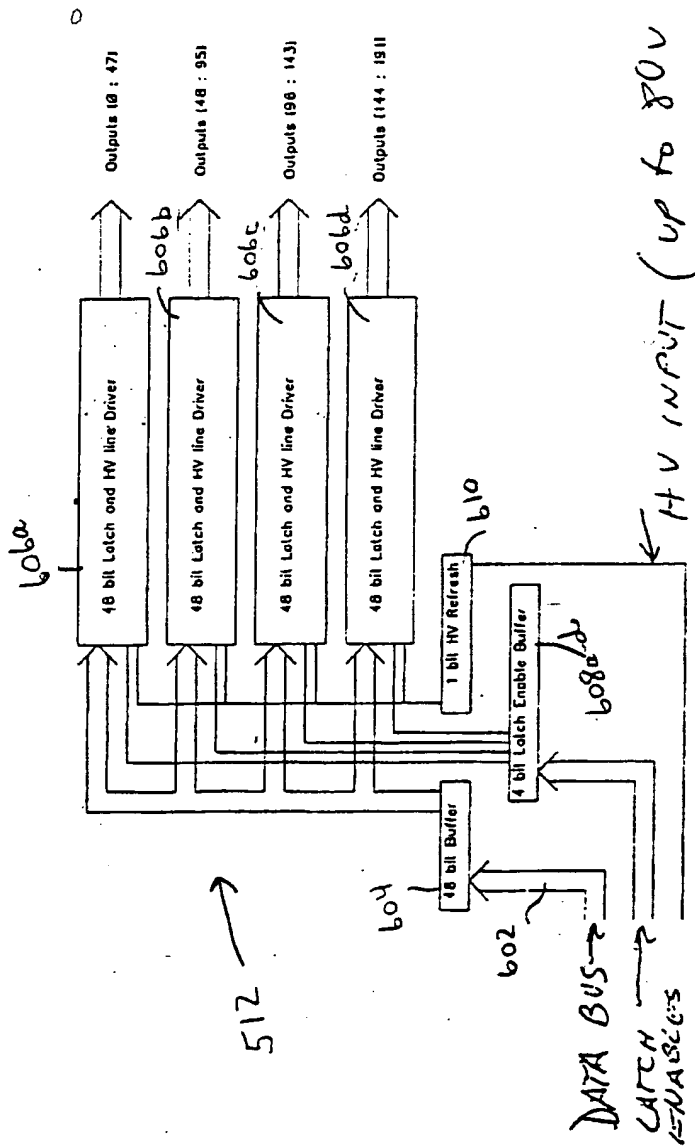


Figure 5

DATA CLK → $\frac{1}{2}$ → HOUT (1 of 192)

DEF + CLK → HOUT

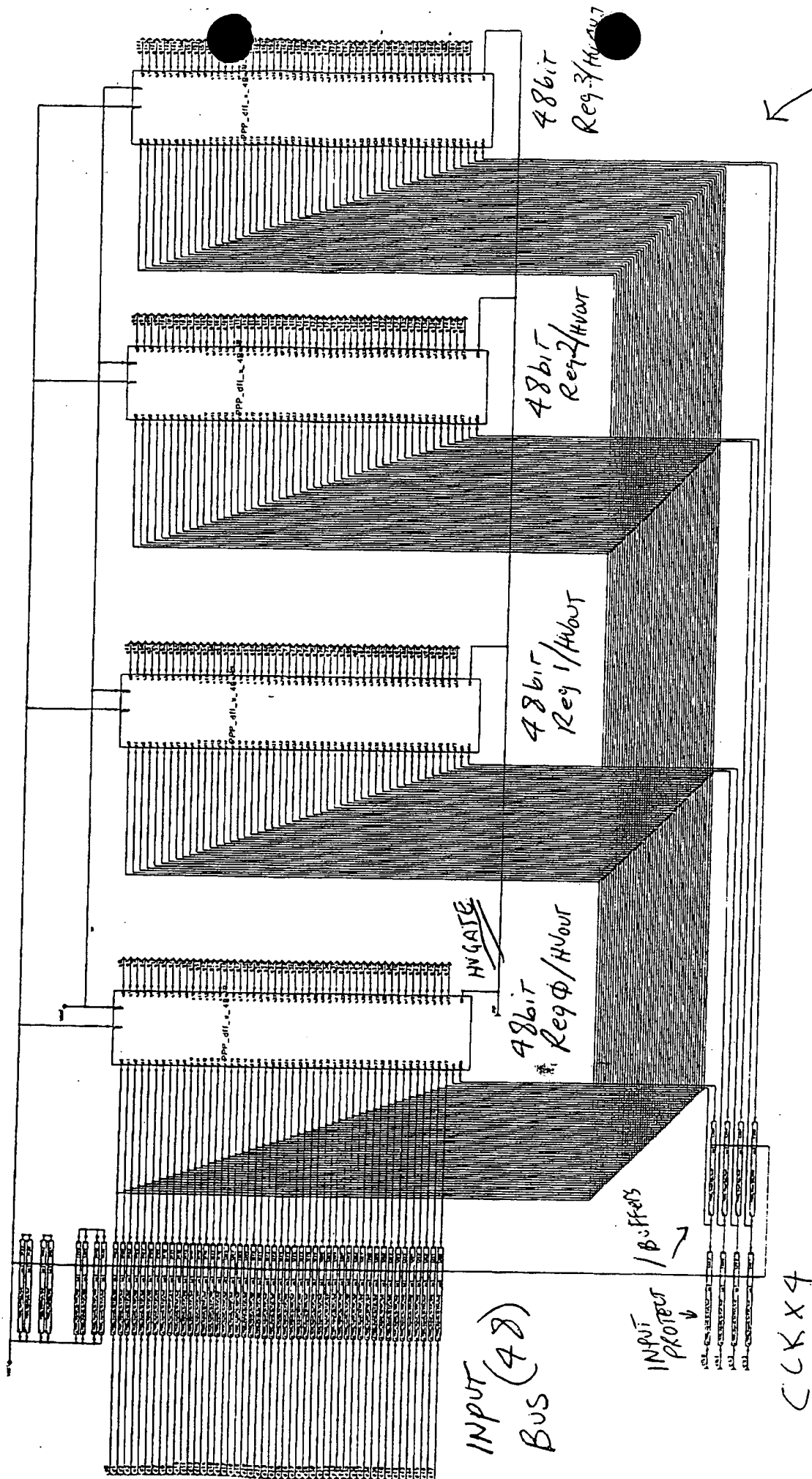


Figure 6

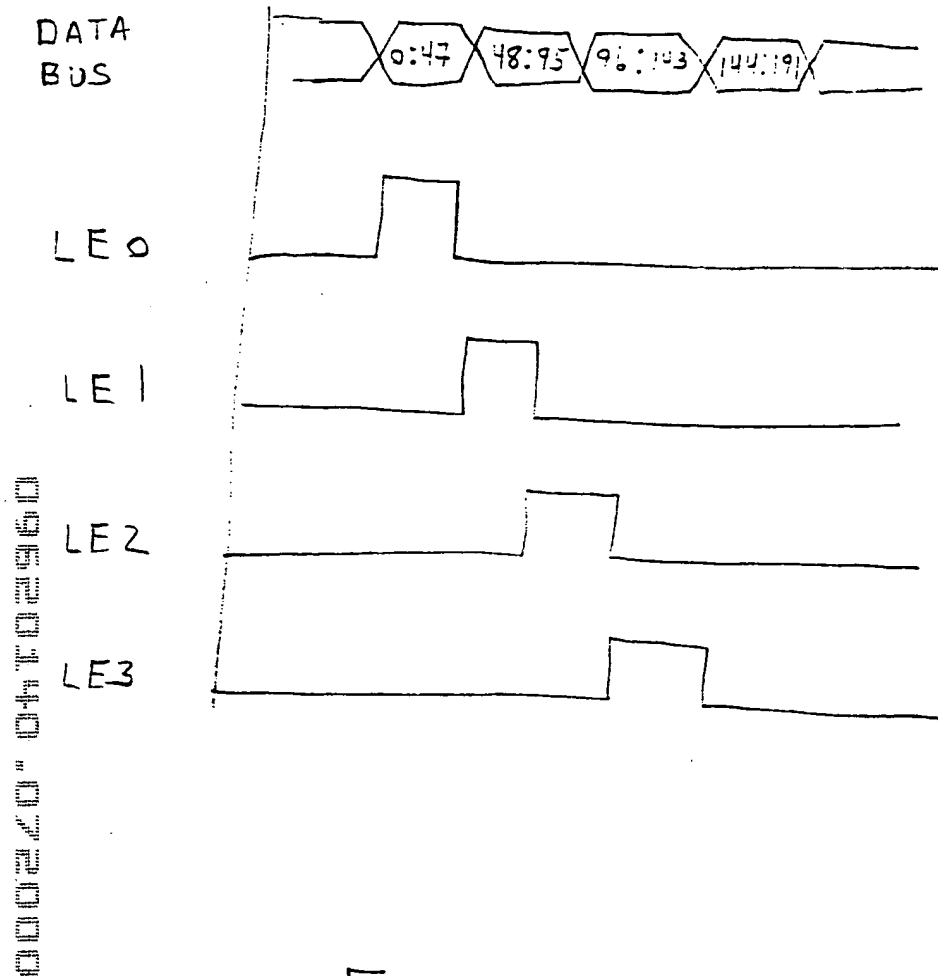
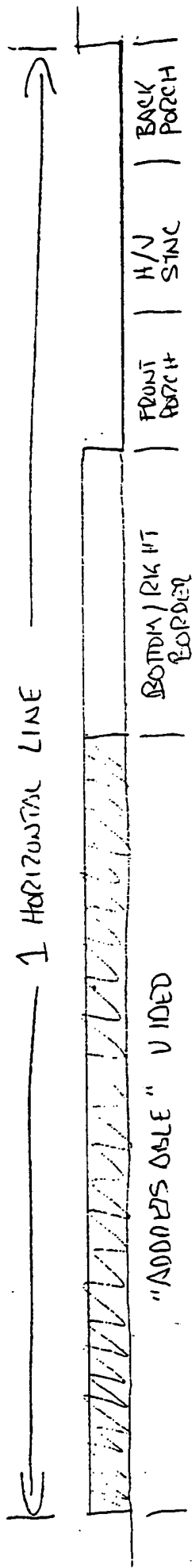


Figure 7

VIDEO TIMING (BASED ON VESA 1024 x 768 @ 60 Hz STANDARD)



DIGITAL TIMING

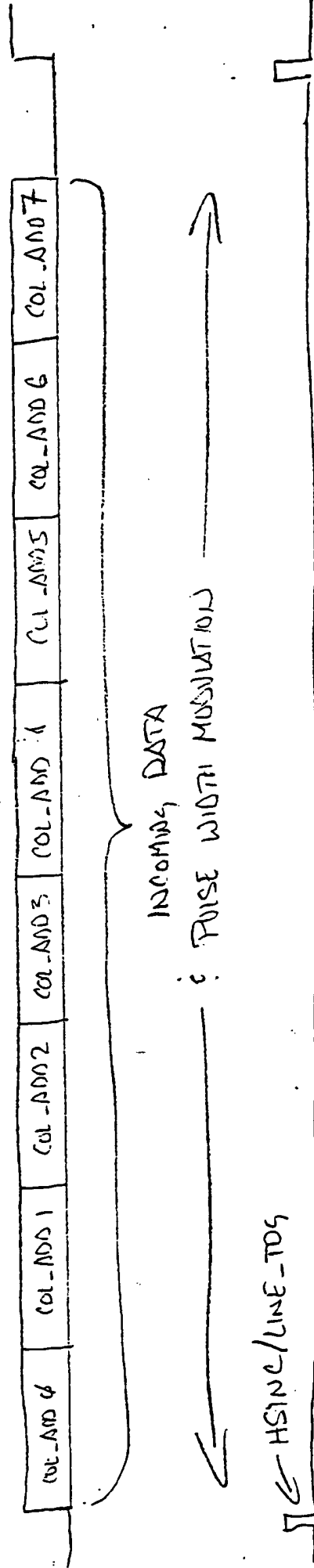


Figure 8

000270" 04T02950

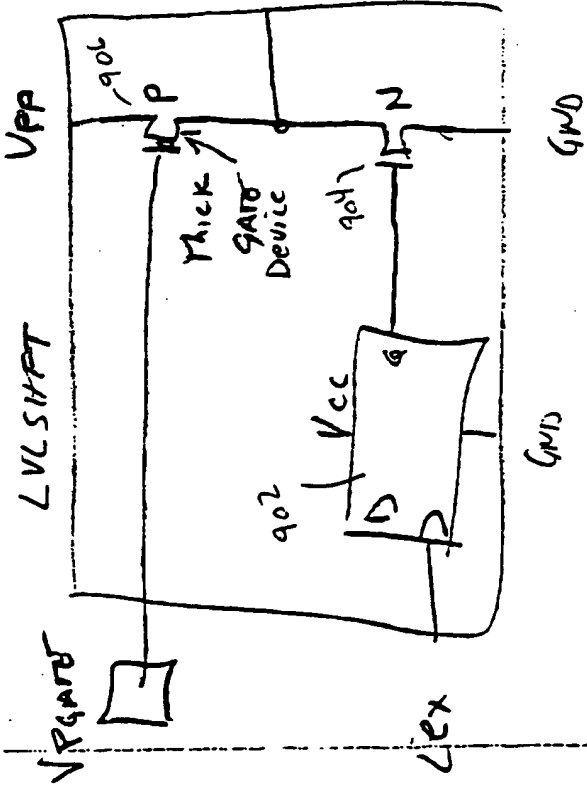


Figure 9A

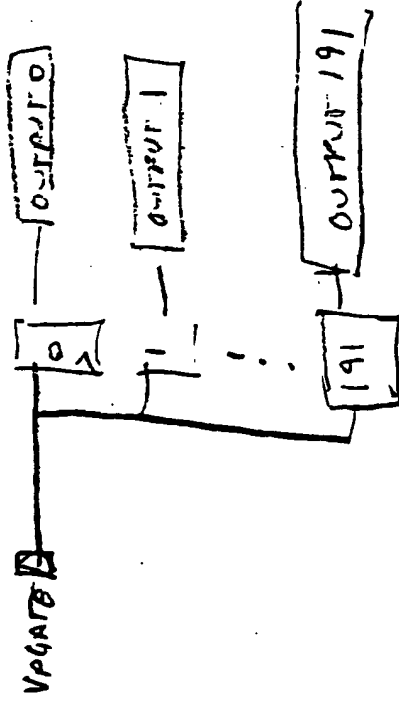


Figure 9B

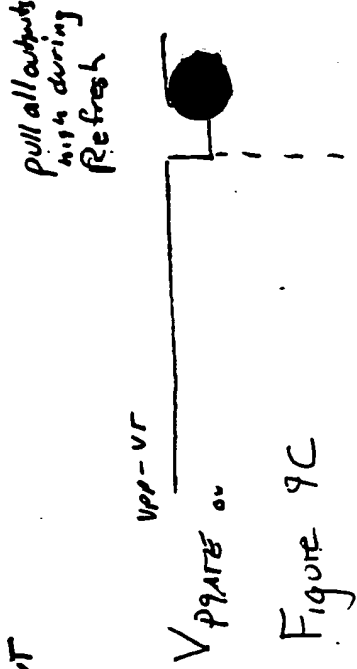


Figure 9C

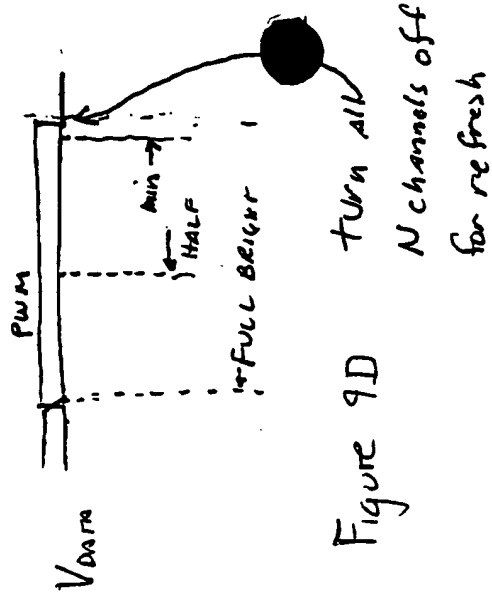


Figure 9D

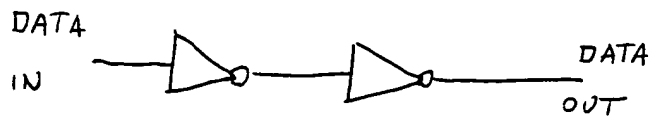


Figure 10A

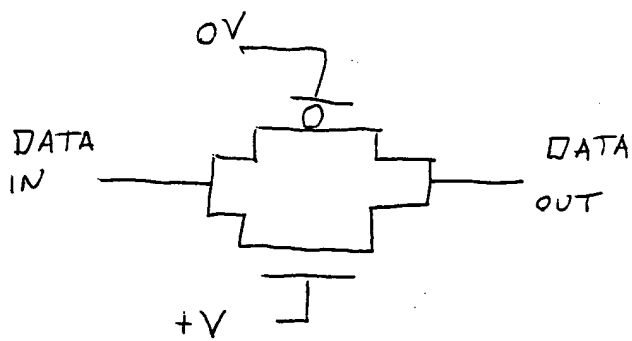


Figure 10B

09620140-072000

$$T_{\text{VIDEO}} \leq \frac{1}{\# \text{ Rows} \times \text{Refresh}} = \frac{1}{768 \times 72} < 18 \mu\text{s}$$

use this full 18 μs - standard valid video will be about 80% or 14 μs

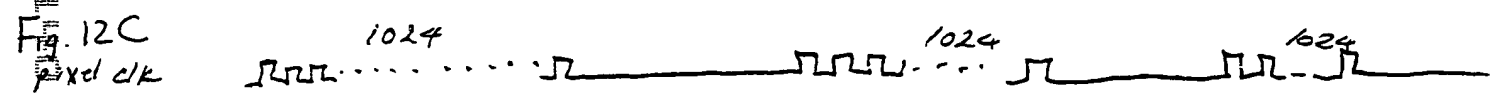
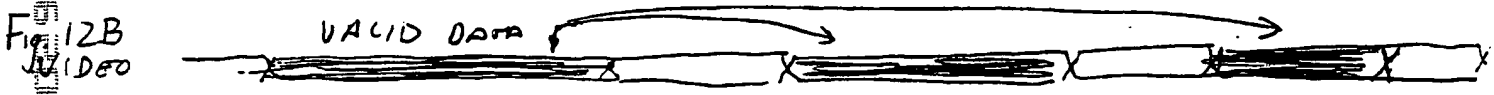
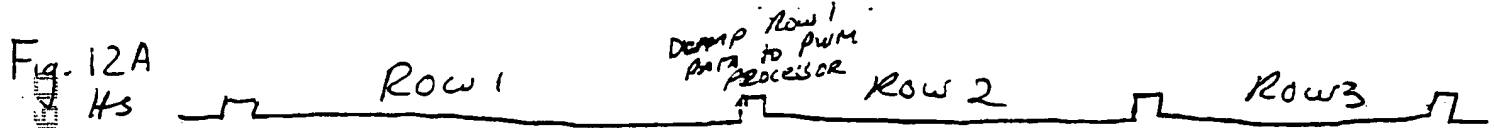
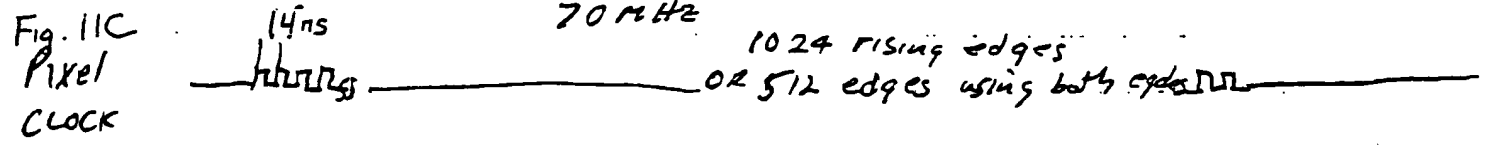
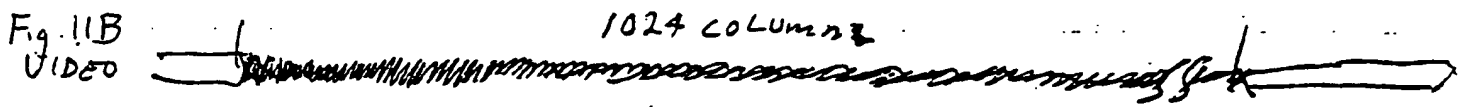
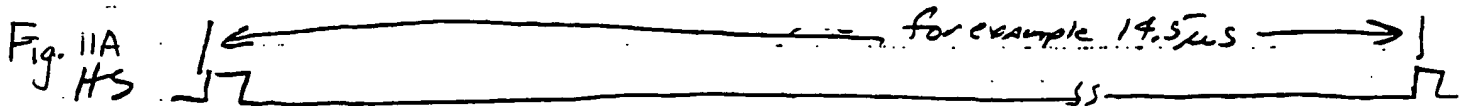


Fig. 12D

